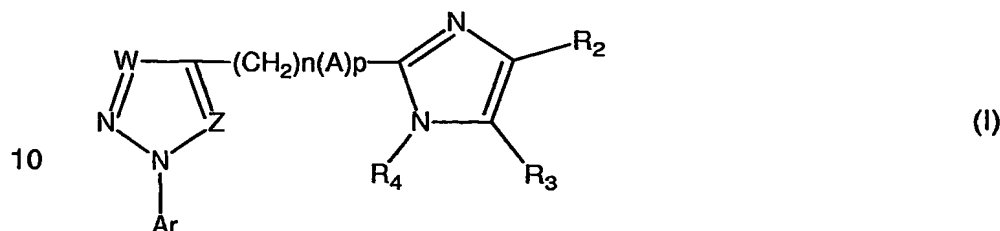


## CLAIMS:

- 1) An antiparasitic formulation characterized in that it comprises, as active ingredients, spinosyn(s) in combination with a compound of formula (I)

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and salts thereof, in which

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Ar is 2,6-dichloro-4-trifluoromethylphenyl or 2-nitro-4-trifluoromethylphenyl;

A is  $S(O)_m$ ,  $-CH=CH-$ , O or NH;

W is N and Z is  $CR^5$ ; or W is  $CR^1$  and Z is N or  $CR^5$ ;

$R^1$  is hydrogen, optionally substituted alkyl, halogen or  $R^{20}S(O)_q$ ;

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$R^2$  and  $R^3$  are hydrogen, alkyl, alkenyl or alkynyl, each of which is optionally substituted, aryl, cyano, halogen, nitro,  $YR^{20}$ ,  $S(O)_2NR^8R^9$ , CHO,  $NR^8R^9$  or  $CYNR^8R^9$ ;

$R^4$  is hydrogen, optionally substituted alkyl, optionally substituted alkenyl, acyl or optionally substituted alkoxy carbonyl;

$R^5$  is hydrogen, alkyl, optionally substituted amino or halogen;

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$R^8$  and  $R^9$  are the same or different and are hydrogen, optionally substituted alkyl, acyl or aryl;

$R^{20}$  is optionally substituted alkyl;

Y is O or S;

m is 0, 1 or 2;

p is 0 or 1;

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n is 0, 1 or 2; and

q is 0, 1 or 2,

and in which a) any alkyl, alkoxy and alkylthio groups is of 1 to 4 carbon atoms; b)

any alkenyl or alkynyl groups is of 2 to 5 carbon atoms; c) any substituted alkyl,

alkoxy, alkylthio, alkenyl or alkynyl group is substituted by one or more of the same

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or different groups selected from halogen,  $YR^{20}$ , dihalocyclopropyl, cyano, nitro,

optionally substituted amino, acyloxy and aryl; d) any aryl group is phenyl, optionally

substituted, by halogen, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio,

haloalkylsulphonyl, cyano or nitro; e) any acyl group is alkanoyl of 1 to 4 carbon

atoms, or alkylsulphonyl or haloalkylsulphonyl; and f) any optionally substituted

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amino groups is of formula  $NR^8R^9$ , with the proviso that when W is  $CR^1$  and Z is  $CR^5$  and n and p are both 0,  $R^4$  is not alkyl.

- 2) The formulation according to claim 1 characterized in that the compound of formula (I) is 5-chloro-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-(4,5-dicyano-1H-imidazol-2-yl-3-methyl-1-H pyrazole (compound 22c).
- 5 3) The formulation according to claim 1 or 2 characterized in that the spinosyns are a mixture of any two or more spinosyn compounds.
- 4) The formulation according to claim 3 characterized in that the mixture is spinosad.
- 10 5) The formulation according to any of claims 1-4 characterized in that the compound of formula (I) and one or more spinosyns are present in a ratio of 1:10 to 10:1.
- 6) Use of one or more spinosyns and at least one compound according to formula 1 as active ingredients in the manufacture of a medicament for controlling an ectoparasite infestation by administering the active ingredients in combination,  
15 either simultaneously or sequentially.
- 7) Use according to claim 6 wherein the active ingredients are 5-chloro-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-(4,5-dicyano-1H-imidazol-2-yl-3-methyl-1-H pyrazole and spinosad.
- 8) Use according to claim 6 or 7, wherein the medicament is for controlling an  
20 ectoparasite infestation by administering the active ingredients simultaneously.
- 9) Use according to claim 8, wherein the medicament comprises the active ingredients in a single preparation.
- 10) Use according to claim 6 wherein the ectoparasites are ticks.
- 11) Use according to claim 6 wherein the ectoparasites are fleas.